

PROGRESS REPORT

FOR

PERIOD ENDING 30th SEPTEMBER 1979

Prepared for the

International Development Association

United Kingdom

United States Agency for International Development

Canadian International Development Agency

Kingdom of the Netherlands

European Economic Community

THE MAHAWELI GANGA DEVELOPMENT PROJECT

STAGE II OF PROJECT I AREA 'H'

REPORT NO. 6.

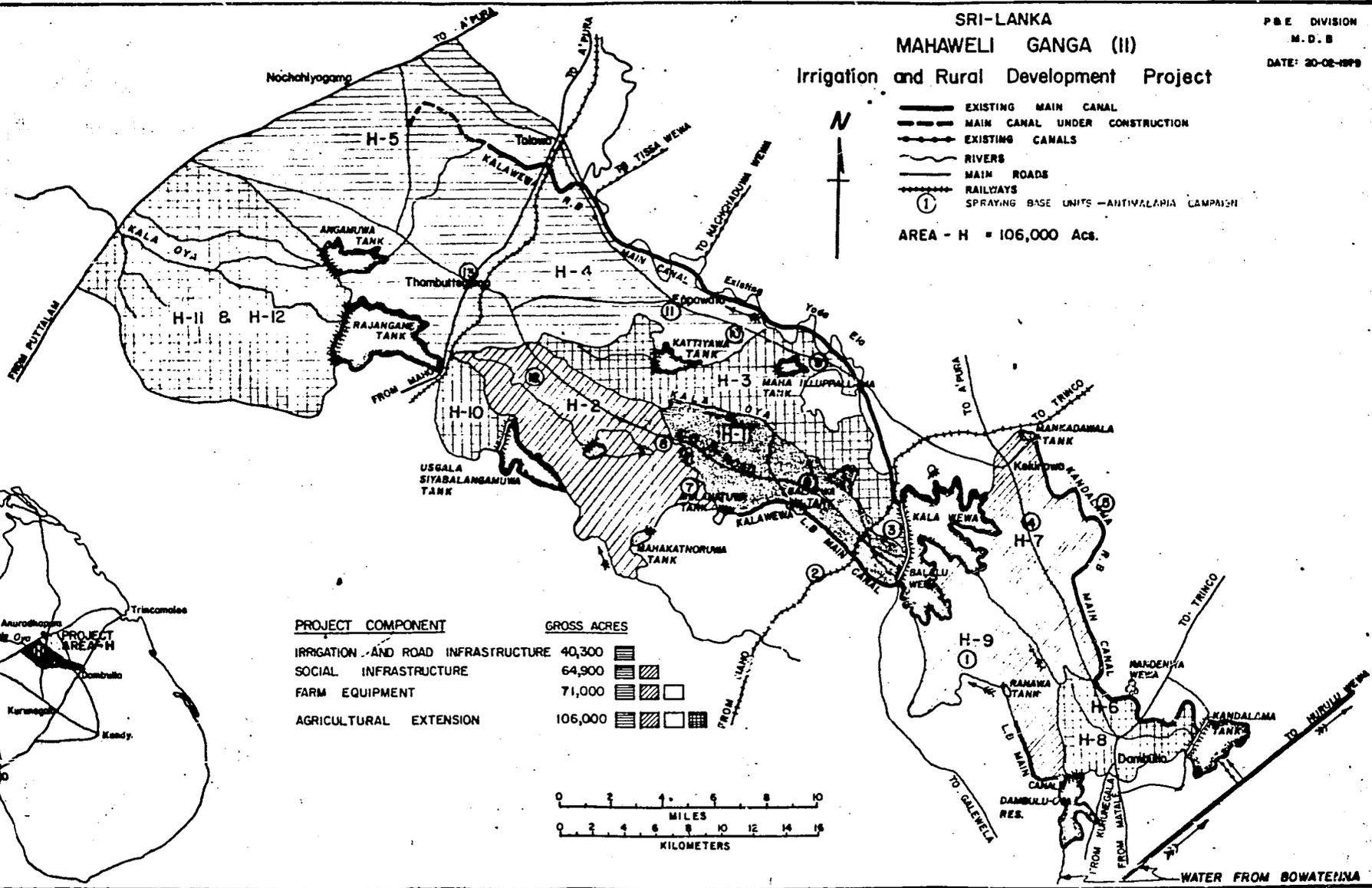
SRI-LANKA
MAHAWELI GANGA (II)

P & E DIVISION
M. D. B
DATE: 20-02-1978

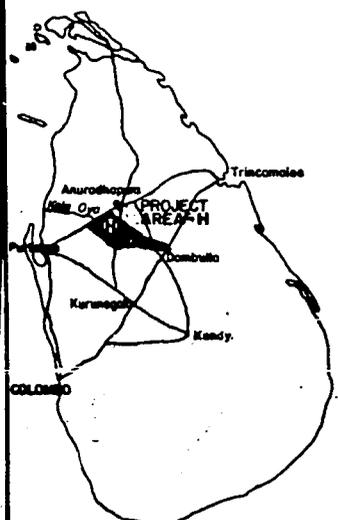
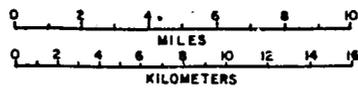
Irrigation and Rural Development Project

- EXISTING MAIN CANAL
- - - MAIN CANAL UNDER CONSTRUCTION
- - - EXISTING CANALS
- ~ RIVERS
- MAIN ROADS
- RAILWAYS
- ① SPRAYING BASE UNITS - ANTIVALAPIA LAMPASHI

AREA - H = 106,000 Acs.



PROJECT COMPONENT	GROSS ACRES
IRRIGATION AND ROAD INFRASTRUCTURE	40,300
SOCIAL INFRASTRUCTURE	64,900
FARM EQUIPMENT	71,000
AGRICULTURAL EXTENSION	106,000



2/10

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GENERAL DESCRIPTION OF DEVELOPMENT

The UNDP/FAO Report on the 'Master Plan' for Mahaweli Ganga Development was presented in 1968.

Stage I of Project 1 of the Master Plan

The diversion dam on the Mahaweli Ganga at Polgol a tunnel, a hydro-power station at Ukuwela, the reservoir at Bowatenna on Amban Ganga and the tunnel to divert the water to the Kala Oya basin was undertaken by the Government of Sri Lanka with the aid of an IBRD Loan. This work was completed in 1976.

Stage II of Project 1

A contiguous area of 106,000 acs. in the Kala Oya basin benefiting from water diverted from Stage I of the Mahaweli Ganga Development Project is the total area covered by the Credits. (See map annexed). Of this area, about 35,000 acs. were previously irrigated, and will be benefited by the diversion.

71,000 Acs. is the extent of new land to be developed in the Kala Oya basin as a result of the diversion. This area is represented by H1, H2, H7, H9, H4 and H5. Of this extent, about 30,700 acs. was taken up for development by the Government of Sri Lanka with its own funds, and work commenced in May, 1974.

The balance 40,300 acs. of the 'H' areas was taken up for development with aid funds under Credit agreements with IDA, CIDA, the Netherlands, UK, USAID and the EEC.

Objectives of the Credits

The purpose of these Credits was to meet a part of the costs of the following programmes. The position of work under each of which/shown overleaf.

Objectives of Credits	Total estimated expenditure Rs. M.	Total* expenditure to date Rs. M.	Remarks
(a) Irrigation, drainage and road infrastructure	240	80.501	
(b) Clearing of jungle and preparing 40,300 acs. for cultivation and settling 15,300 families on 2½ ac blocks and construction of 1235 village wells in this area.	130	46.220	Fresh application for reimbursement of local cost for period ending 30.06.79 to be made.
(c) O & M facilities and social infrastructure, eg. schools, medical & community development facilities for 64,900 acs.	70	42.000	
(d) Technical assistance and monitoring	14	1.800	
(e) Construction, Workshop, O & M, Social infrastructure and settlement equipment	203	84.904	
(f) Improved agricultural extension services	29	4.601	
(g) Project support in the form of farm equipment, marketing, storage, etc.	160		Negotiations under way with CIDA.
	<u>846</u>		

* These are actual payments made as at 30-09-79

Liabilities not accounted for

The Credit Agreement with IDA was signed in June 1977 and made effective from 29th December, 1977. Credit agreement with other sources of aid were also made effective about the same time.

	<u>Credit Identification No.</u>			
IDA	701-CE	(Loan) US\$	19.0	Million
UK	No.2 of '77	(grant) US\$	7.2	"
	No.5 of '78			
Canada (CIDA)	701-CE	(loan) Can\$	6.0	"
		(grant) US\$	0.8	"
	383-T-018	(loan) US\$	5.2	"
Netherlands	701-CE	(loan) US\$	5.0	"
EEC		(grant) US\$	2.24	"

Project Implementation was scheduled to take place over a period of five years from 01.01.78, but on the decision taken by the Government of Sri Lanka, the implementation of this programme was accelerated. It is expected to complete settlement in H4/H5 areas in 1980.

Technical Assistance

Services of Mr. E.P. Sullivan, Project Implementation Advisor continued to be available during the quarter. Mr. Grant Davids, On-Farm Development Advisor & Mr. W.M. McKinley, On-Farm Mechanisation Advisor were stationed at Maha Illuppallama and made their services available on On-Farm development activities.

ARRIVALS

24.8.79 - Mr. D.D. Campbell, O.D.A. London.

Development Work in Kala Oya Basin -

Stage II (System H)

(H1 Area - Galneva) - 5,100 Acs.

Provision of irrigation facilities for the H1 area is complete. All of the 2,037 allotments have been settled.

Out of a total of 115 infrastructure buildings, 112 buildings are completed. (69 Nos. O & M buildings, 9 Nos. Co-operatives, 2 Nos. Post Offices, 23 Nos. Agricultural buildings, 8 Nos. Schools, 1 No. Dispensary).

(H2 Area - Meeqalawa) - 9,250 Acs.

All work on the Left Bank Main and Branch Channel system is complete. Irrigation infrastructure facilities in 9,000 acres is also complete. Kalawewa Headworks - Spill and spill extension is complete. Left bank sluice is functioning and the work on the Right Bank sluice is complete.

Work on the improvements to Mahakathoruwa tank is complete.

Out of a total of 101 infrastructure buildings in the H2 area, 71 buildings are completed. (46 Nos. O & M buildings, 12 Nos. Co-operatives, 2 Nos. Post Offices, 22 Nos. Agricultural buildings and 3 Nos. Schools).

People are settled in 3,700 allotments which completes settlement in this area.

(H7 Area - Kandalama) - 7,200 Acs.

Kandalama Right Bank main canal work is complete. Branch channel work is complete and provision of irrigation facilities is complete for blocks 101 (1,250 acs.) and 102 (1,175 acs.) and about 95% complete in the rest of H7 area.

Improvements to Maha Elacemuwa tank is complete. 65 Infrastructure buildings (40 Nos. O & M buildings, 4 Nos. Co-operatives, 3 Nos. Agricultural buildings, 5 Nos. Schools) are completed out of a total of 80 numbers. People are already settled in 1,350 allotments.

(H9 Area - Galkiriyagama) (5,600 Acs.)

Provision of irrigation facilities is largely complete. Dambulu Oya reservoir bund formation, spill, bridge and service gate installation is complete.

23 Nos. infrastructure buildings (14 Nos. O & M buildings, 4 Nos. Co-operatives, 2 Nos. Post Offices, 3 Nos. Agricultural buildings) are complete out of a total of 87 buildings.

Settlers are allocated 1,750 farms out of a total of 2,330 farms and 1,576 homesteads out of 2,500 homesteads.

(H4 Area - Eppawela) (20,000 Acs.)

23,000 Acres of jungle has been cleared in the H4 area. Kalawewa Right Bank main canal excavation is complete while the main canal structures are about 70% complete. Work is in progress in the branch, distributary and field channels. 77 Infrastructure buildings are completed, and work is in progress in 160 buildings. Total number of proposed buildings is 560.

Over 1,900 settlers have been assigned farm lots in this area.

(H5 Area - Nochchiyagama) (14,000 Acs.)

Clearing of the area is almost complete (19,000 Acs.). Work is in progress in branch, distributary and field channels. Construction of 11 infrastructure buildings is complete and 174 are in progress out of a proposed 460 buildings.

Settlement is in progress with about 350 settlers already assigned farm lots.

MAHAVELI DEVELOPMENT BOARD

H4 Area (Kalaveva R.B.)

Quarterly Progress Report up to end of September, 1979

Description	Unit	Total estimated quantity	Completed Programme upto 1978 for 1979	Cumulative Targets			
				1st qt.	2nd qt.	3rd Qt.	4th Qtt.
1. <u>Kalaveva R.B. Main Canal (0-14 mls.)</u> Earth work	Cubes	472,700	306,300	66,000	26,500 26,000	24,700 26,000	26,000
Rock	Cubes	55,400*	28,700	500	16,700 15,720	26,550 26,700	26,700
Structures	nos.	33	26	7	4 7	4 7	7
2. <u>Br.Chl.Nos. 1, 2, 4 & 6</u> Earthwork	chs.	650	500	130	66 130	125 130	130
Structures	nos.	77	43	74	11 14	31 34	34
3. <u>Jungle Clearing</u>	acs.	24,500	13,300	5,200	2,270 5,200	3,590 5,200	5,200
4. <u>D'Chl. excavation</u>	chs.	6,600*	3,530	1,570#	1,440 2,300	1,760 1,570#	1,570#
5. <u>D'Chl. structures</u>	nos.	2,560*	530	1,620#	220 340	1,510 1,620#	1,620
6. <u>D'Chl. excavation</u>	chs.	16,400	2,600	6,750#	2,140 6,960	6,730 3,860	6,750
7. <u>D'Chl. structures</u>	nos.	9,000*	280	5,828#	2,200 2,000	4,830 4,725	5,820
8. <u>Drainage CHLS.</u>	chs.	9,300	-	6,100#	-	1,270 Nil	6,100
9. <u>Buildings</u> G & H bldgs. social infrastructure bldgs.	nos.	174*	35	136	20/26 40	27/36 40	136
	nos.	560	Nil	215	11/27 25	15/72 25	215

* Qty. increased due to revisions in the field.
Re-programmed

U5 Area (Kalawewa R.B.)

Description	Unit	Total estimated quantity	Completed upto 1978	Cumulative Targets			
				1st Qrt.	2nd Qrt.	3rd Qrt.	4th Qrt.
<u>1. Kalawewa R.B. Main Canal</u>							
<u>(14-28 mls.)</u>							
Earth work	Cubes	356,500*	315,000	20,000	12,400	33,600	41,500
Rock work	Cubes	15,000	5,000	1,500	1,800	4,950	5,000
Structures	nos.	39	6	6	15	27	33
					19	33	
<u>2. Br.Chl. Nos. 7 & 8</u>							
Earth work	chs.	400	310	25	25	25	90
Rock work	Cubes	5,500	900	300	300	300	4,600
Structures	nos.	66	9	11	20	22/20	57
				21	39	57	
<u>3. Jungle Clearing</u>							
	acs.	21,200	18,000	2,300	2,360	1,426	3,200
				3,200	3,200	3,200	
<u>4. D'Chl. excavation</u>							
	chs.	4,900	2,500	1,280	1,540	1,920	1,730
				1,500	2,200	900#	
<u>5. D'Chl. structures</u>							
	nos.	1,090##	500	200	260	400	430
				300	500	250#	
<u>6. F'Chl. excavation</u>							
	chs.	10,120##	200	535	2,115	4,270	6,370
				2,400	9,300	4,330#	
<u>7. F'Chl. structures</u>							
	nos.	5,950##	100	200	580	1,880	4,175
				1,500	4,000	2,920#	
<u>8. Drainage Chls.</u>							
	chs.	7,650##	Nil	Nil	150	1250	4,900
<u>9. Buildings</u>							
0 & II bldgs.	nos.	125##	Nil	62	6/70	6/87	125
					112	112	
Social infrastructure bldgs.	nos.	136##	Nil	68	2/77	6/104	125
					25	25	

* Reprogrammed.
 # Quantity increased due to revision in the field.
 ## Quantity reduced due to revisions in the field.

H2 Area (Kalaweva I.B.)

Description	Unit	Total estimated quantity	Completed Programme upto 1978 for 1979	Cumulative Targets			
				1st Qrt.	2nd Qrt.	3rd Qrt.	4th Qrt.
1. <u>L.B. Main Canal from</u> <u>Malanautua to Mahinatnorua</u>							
Excavation	chs.	268	268	-	-	-	-
Structures	nos.	13	13	-	-	-	-
2. <u>Br.Chl. Nos. 1 & 2</u>							
Excavation	chs.	762	762	-	-	-	-
Structures	nos.	62	62	-	-	-	-
3. <u>Jungle Clearing</u>							
	acs.	10,500	10,500	-	-	-	-
4. <u>D'Chl. excavation</u>							
	chs.	2,800	2,790	10	Complete	Complete	Complete
5. <u>D'Chl. structures</u>							
	nos.	860	855	5	2/5	Complete	Complete
6. <u>F'Chl. excavation</u>							
	chs.	6,100	5,457	643	235/643	338/643	643
7. <u>F'Chl. structures</u>							
	nos.	2,630	2,280	350	195/350	Complete	Complete
8. <u>Drainage Chls.</u>							
	chs.	6,000	5,550	450	Nil/200	Nil/450	450

H7 Area (Kandalama R.B.)

Description	Unit	Total estimated quantity	Completed upto 1978	Programme for 1979	Cumulative Targets			
					1st Qrt.	2nd Qrt.	3rd Qrt.	4th Qrt.
1. <u>Kandalama R.B. Main Canal up to 22 mls.</u>	chs.	1,170	1,165	5	Complete			
Excavation (earth)	Cubes	9,550	5,400	4,150	$\frac{600}{3,600}$	$\frac{2,700}{3,600}$	$\frac{Complete}{4,150}$	
(rock)	nos.	113	113	-				
Structures			C O M P L E T E					
2. <u>Br.Chl. Ho. 1</u>	acs.	7,000	7,000	-	Complete			
3. <u>Jungle Clearing</u>	chs.	2,200	2,180	20	Complete			
4. <u>D'Chl. excavation</u>	nds.	623	612	11	$\frac{6}{11}$	$\frac{Complete}{11}$		
5. <u>D'Chl. structures</u>	chs.	7,700*	3,300	4,400	$\frac{1,250}{1,800}$	$\frac{1,515}{1,800}$	$\frac{3,990}{4,400\#}$	$\frac{4,400\#}{4,400\#}$
6. <u>F'Chl. excavation</u>	nos.	5,410*	2,050	3,360	$\frac{250}{350}$	$\frac{300}{350}$	$\frac{2,270}{3,360\#}$	$\frac{3,360\#}{3,360\#}$
7. <u>F'Chl. structures</u>	chs.	4,450*	980	3,470	$\frac{500}{990}$	$\frac{1,130}{1,920}$	$\frac{2,140}{3,470\#}$	$\frac{3,470\#}{3,470\#}$

* quantity increased due to incorporation of farm outlets, canal crossings, etc.
Reprogrammed.

H9 Area (Dambulu Oya)

Description	Unit	Total estimated quantity	Completed upto 1978	Programme for 1979	Cumulative Targets			
					1st Qrt.	2nd Qrt.	3rd Qrt.	4th Qrt.
1. <u>L.B. Main Canal</u>								
Excavation	chs.	203	203					
Structures	nos.	2	20					
2. <u>Br.Chl. No. 2</u>								
Excavation	chs.	280	270	10				
Structures	nos.	27	26	1				
3. <u>Jungle Clearing</u>								
	acs.	5,500	5,400	100	52/100	65/100	Complete	Complete
4. <u>D'Chl. excavation</u>								
	chs.	1,800*	1,500	300	50/140	100/200	150/300	300
5. <u>D'Chl. structures</u>								
	nos.	420	400	20	5/20	Complete	Complete	Complete
6. <u>F'Chl. excavation</u>								
	chs.	4,600*	2,900	1,700	100/700	500/800	1,500/1,700#	1,700#
7. <u>F'Chl. structures</u>								
	nos.	3,390*	1,640	2,350	44/70	44/80	2,215/2,250#	2,250#
8. <u>Drainage Chls.</u>								
	chs.	3,860*	Nil	3,860	25/1,300	42/2,500	1,250/2,850#	2,850#

* quantity increased due to incorporation of farm outlets, canal crossings, etc.
Reprogrammed.

Social Infrastructure in H Areas

(A) Road Construction

H1 & H2 Areas

B-A Road

Metal spread at several locations from 1st mile to 20th mile	Width (ft.)	
	11	22
i) 4" metal (ft.)	28,800	16,230
ii) 2" metal - 1st layer (ft.)	1,880	13,630
- 2nd layer (ft.)	850	1,400
iii) ¾" metal - 1st layer (ft.)	-	520
- 2nd layer (ft.)	-	170
iv) Tarring has been done to a distance of 4 miles		

H7 & H9 - not commenced.

H4 Area

Description of work	Unit	Total estd qty.	Cumulative progress	Cumulative programme
1. <u>Kala Oya-Tambuttegama Road</u> Metalling and Tarring Structures	mls. nos.	3 4	- 3/1	3 4

Description of work	Unit	Total estd. qty.	Cumulative progress	Cumulative programme
2. <u>Tambuttegama-Ottappuwa Road</u>				
Formation Structures	mls. nos.	3½ 23	Complete "	
3. <u>Tammenagama-Kudabilibewa Road</u>				
Formation Structures	mls. nos.	8 8	2/6 -/8	4½
4. <u>Hangiliya-Ihala Halmillewa (via Delnegama) Road</u>				
Formation Structures	mls. nos.	5 8	Complete .8	
5. <u>Delnegama-Kiralogana Road</u>				
Formation Structures	mls. nos.	3 3	Complete 2/1	
6. <u>Timbiriwewa-Kala Oya Road (Endagala Road)</u>				
Formation Structures	mls. nos.	3½ 15	Complete 13/2	
7. <u>Telhiriyawa-Eppawela Road</u>				
Formation Structures	mls. nos.	6½ 28	6/- 20/6	

A

1
2
1

H5 Area

Description of work	Unit	Total estd. qty.	Cumulative progress	Cumulative programme
1. <u>Ottappuwa-Sinharagama (Andarawewa) Road</u> Formation Structures	mls. nos.	6½ 21	Complete "	
2. <u>Talawa-Ihala Andarawewa (Sinharagama) Road</u> Formation Structures	mls. nos.	8 28	3/3 7/21	8 28
3. <u>Ottappuwa-Timbiriwewa (Nakokiragama) Road</u> Formation Structures	mls. nos.	9 40	3/2½ 14/14	9 40
4. <u>Galewewa-Nochchiyagama (Halmillakulana-Karambewewa) Road</u> Formation Structures	mls. nos.	4½ Not estimated	3½ 1/3	4½ -
5. <u>Pahala Halmillewa-Galewewa Road</u> Formation Structures	mls. nos.	6 Not estimated	1/5 1/3	6
6. <u>Nochchiyagama-Pahala Halmillewa Road</u> Formation Structures	mls. nos.	3½ Not estimated	3½	3½
7. <u>Lindawewa-Panakctiya Road</u> Formation Structures	mls. nos.	1½ Not estimated	Complete -/2	

O & M and Infrastructure Buildings

H1 Area

Type	Total	Func-tional	Complete	In Progress	Not Started	Remarks
O & M	69	52	69			
Co-ops.	11	6	10	1		
P.O.	2	2	2			
A.	35	15	23	12		
S.	9	8	8	1		
P.	1	1*	-	1		
B.	6	5*	3	1	2	
H.C.	1	1*	-	1	-	

- * Police is temporarily functioning in one of the O & M bldgs.
- * Two (2) National Banks and two (2) Rural Banks are temporarily functioning in other buildings. Rural Banks are being moved to Co-op. bldgs. Construction of National and Commercial Banks by themselves.
- * Galnewa new C.D. is being upgraded to a P.U.

KEY: O & M -- Operation & Maintenance; Co-op. Large and Small-Scale Co-operatives; P.O. - Post Office; A - Agricultural bldgs.; S - Schools; P - Police; B - Banks - National, Commercial, Savings or Rural Banks; H.C. - Health Centres.

H2 Area

Type	Total	Func-tional	Complete	In Progress	Not Started	Remarks
O & M	52	40	46	6		
Co-ops.	18	6*	13	5		
P.O.	3	4*	2	1		
A.	26	18*	22	4		
S.	9	8*	4	5		
P.	1	-	-	1		
B.	4	3*	3	1		
H.C.	2	3*	-	2		
A.M.C.	-	-	1	-		
P.P.C.	-	-		1		
F.F.S.	-	-	1	-		

H2 Area (Contd.)

A.M.C. - Anti-Malaria Centre
 P.P.C. - Paddy Purchasing Centre
 F.F.S. - Fuel Filling Station

- * Co-ops. - 2 Nos. existing S.S. Co-ops. have been shifted to O & M bldgs. temporarily. 1 No. Additional S.S. Co-op. provided in an O & M bldg. 2 Nos. S.S. Co-ops. are still functioning in existing bldgs.
- * Agric. bldgs. - Part of these are still being used as construction stores.
- * Post Office - 3 Nos. existing post offices are still functioning.
- * Schools - 8 Nos. existing primary schools are still functioning
- * Banks - 2 Nos. Rural Banks are functioning in O & M bldgs. temporarily. These are to be shifted to Co-op. bldgs. in the near future.
- * Health Centres - 3 Nos. Dispensaries including one mobile dispensary are still functioning in existing bldgs.

H7 Area

Type	Total	Functional	Complete	In Progress	Not Started	Remarks
O & M	69	38	45	20		
Co-ops.	6	12*	4	2		
P. O.	3	3*	-	3		
N.	27	7	10	17		
S.	10	15*	5	5		
P.	-	-	-	-		
B	5	5*	4	1		
H.C.	-	2*	-	-		

- * Co-op - 10 Nos. existing Co-ops. are functioning
- * P. O. - 3 Nos. existing P.O. are functioning
- * B. - 3 Nos. existing National Banks are functioning
- * S. - 12 Nos. existing Schools are functioning
- * D. - 1 No. existing Dispensary and 1 No. existing hospital are functioning

Type	Total	Functional	Complete	In Progress	Not Started	Remarks
O & M	47	10	14	28	5	
Co-ops.	5	1	4	1	-	
P. O	3	1	2	1	-	
A.	30	-	3	22	-	
S.	1	-	-	1	-	
P.	1	-	-	1	-	
B.	3	1*	3	-	-	
H.C.	-	1*	-	-	1*	

*B - 1 No. Rural Bank is temporarily functioning in an O & M bldg.

*H.C.- Improvements to Galkiriyagama existing R.N. not commenced yet.

H4 Area

Location, blocks served and type of building	Unit	Total estd. qty.	Cumulative Progress	Cumulative Programme	Remarks
<u>1. Maha Illuppallama</u>					
a) O & M Qrts.	no.	6	Complete		
b) Project Office	no.	1	"		
<u>2. Medagama (O.V.C.) - Block 401</u>					
a) O & M Qrts.	no.	13	6/7	13	
b) Agric. Stores	no.	9	2/7	2	
c) Co-op. Stores	no.	1	-/1	1	
d) SPO	no.	1	-/1	1	Relocation of existing Co-op. New SPO.
<u>3. Eppawela (T.C.)</u>					
<u>Blocks 401, 402, 403 & 407</u>					
a) O & M Qrts.	no.	32	32	32	
b) Agric. Stores	no.	8	4/4	2	
c) Co-op. Stores	no.	1	-/1	1	
d) PO	no.	1	-		Improvements to the existing Co-op.
e) Regional Office	no.	1	Complete		Upgrading of existing SPO.
f) Police Station	no.	1	-/1	1	

Location, blocks served and type of building	Unit	Total estd. qty.	Cumulative Progress	Cumulative Programme	Remarks
<u>4. Kiralogama (O.V.C.)</u>					
<u>Blocks 403 & 407</u>					
a) O & M Qrts.	no.	13	3/10	13	
b) Agric. Stores	no.	9	7/2	2	
c) Co-op. Stores	no.	1	-/1	-	
d) SPO	no.	1	Complete		Relocation of the existing Co-op. New SPO.
<u>5. Telhiriya (O.V.C.)</u>					
<u>Blocks 403, 404 & 406</u>					
a) O & M Qrts.	no.	13	-/13	13	
b) Agric. Stores	no.	8	-/8	2	
c) Co-op. Stores	no.	1	-/1	1	
d) SPO	no.	1	-/1	1	New Co-op.
<u>6. Tambuttegama (T.C.)</u>					
<u>Blocks 404, 405, 406, 409 & 410</u>					
a) O & M Qrts.	no.	47	15/32	47	
b) Agric. Stores	no.	8	-/8	2	
c) Co-op. Stores	no.	2	-/2	2	
d) PO	no.	1	-/1	1	Improvements to the existing Co-op.
e) Regional Office	no.	1	-/1	1	Upgrading of existing SPO.
f) Police Station	no.	1	-/1	1	Upgrading of existing Police.

Location, blocks served and type of building	Unit	Total cost.	Cumulative Progress	Cumulative Programme	Remarks
<u>7. Kalundegama (O.V.C.)</u>					
<u>Block 405</u>					
a) O & M Qrts.	no.	13	-/13	13	
b) Agric. Stores	no.	9	-/8	2	
c) Co-op. Stores	no.	1	-/1	1	New Co-op.
d) SPO	no.	1	-/1	1	New SPO.
<u>8. Kuda Bellankadawela (N.C.V.C.)</u>					
<u>Block 406</u>					
a) O & M Qrts.	no.	4	-	-	
b) Agric. Stores	no.	7	-	-	
c) Co-op. Stores	no.	1	-	-	Relocation of the existing Co-op.
<u>9. Tammeneva (N.O.V.C.)</u>					
<u>Block 409</u>					
a) O & M Qrts.	no.	4	-	-	
b) Agric. Stores	no.	7	-	-	
c) Co-op. Stores	no.	1	-	-	Relocation of the existing Co-op.

Location, blocks served and type of building	Unit	Total estd. qty.	Cumulative Progress	Cumulative Programme	Remarks
10. <u>Thala Halmillova (N.O.V.C.)</u>					
<u>Block 403</u>					
a) O & M Qrts.	no.	4	-/1	-	
b) Agric. Stores	no.	7	-/3	-	
c) Co-op. Stores	no.	1	-/1	-	
d) SPO	no.	1	-/1	-	Relocation of the existing Co-op.
11. <u>Malwanegama (Hangiliva)</u>					
<u>(N.O.V.C.) - Block 408</u>					
a) O & M Qrts.	no.	4	-/1	-	
b) Agric. Stores	no.	7	-/3	-	
c) Co-op. Stores	no.	1	-/1	-	
d) SPO	no.	1	-/1	-	New SPO.
12. <u>Gurugama (N.O.V.C.)</u>					
<u>Block 409</u>					
a) O & M Qrts.	no.	4	-	-	
b) Agric. Stores	no.	9	-	-	
c) Co-op. Stores	no.	1	-	-	Relocation of the existing Co-op.

Location, blocks served and type of building	Unit	Total estd. qty.	Cumulative Progress	Cumulative Programme	Remarks
13. <u>Pahalagama (O.V.C.)</u>					
<u>Blocks 409 and 410</u>					
a) O & M Qrts.	no.	11	-/7	-	
b) Agric. Stores	no.	9	-/7	-	
c) Co-op. Stores	no.	1	-	-	
d) SPO	no.	1	-	-	Relocation of Potiyagama existing Co-op. Relocation of existing SPO.
14. <u>Ihalawewa (N.O.V.C.)</u>					
<u>Block 403</u>					
a) O & M Qrts.	no.	1	-/1	-	
b) Agric. Stores	no.	2	-/2	-	
c) Co-op. Stores	no.	1	-/1	-	
15. <u>Kongollawa</u>					
<u>Block 409</u>					
a) O & M Qrts.	no.	2	-/1	-	
b) Agric. Stores.	no.	3	-	-	

H5 Area

Location, blocks served and type of building	Unit	Total est. qty.	Cumulative Progress	Cumulative Programme	Remarks
<u>1. Talawa (T.C.)</u>					
<u>Blocks 408, 410, 411, 419, 420 & 421</u>					
a) O & M Qrts.	no.	31	-/3	25	Improvements to the existing Co-op. Upgrading of existing SPO.
b) Agric. Stores	no.	9	-	2	
c) Co-op. Stores	no.	2	-	2	
d) PO	no.	1	-	1	
e) Regional Office	no.	1	-	1	
<u>2. Salewewa (O.V.C.)</u>					
<u>Blocks 412 & 415</u>					
a) O & M Qrts.	no.	10	-/10	10	Relocation of the existing Co-op. Relocation of existing SPO.
b) Agric. Stores	no.	9	2/7	2	
c) Co-op. Stores	no.	1	-	1	
d) SPO	no.	1	-	1	
<u>3. Ipalogama (C.V.C.)</u>					
<u>Blocks 413 & 414</u>					
a) O & M Qrts.	no.	11	2/9	9	Relocation of the existing Co-op. New SPO.
b) Agric. Stores	no.	9	3/6	2	
c) Co-op. Stores	no.	1	-/1	1	
d) SPO	no.	1	-/1	1	

Location, blocks served and type of building	Unit	Total estd. qty.	Cumulative Progress	Cumulative Programme	Remarks
<u>4. Nochchiyagama (T.C.)</u>					
<u>Blocks 412, 413, 414, 415, 417 & 418</u>					
a) O & M Qrts.	no.	28	3/25	23	
b) Agric. Stores	no.	9	-/8	9	
c) Co-op. Stores	no.	2	-	-	Improvements to the existing Co-op.
d) SPO	no.	1	-	-	Upgrading of existing SPO.
e) Regional Office	no.	1	-/1	-	
<u>5. Ottappuwa (N.O.V.G.)</u>					
<u>Block 412</u>					
a) O & M Qrts.	no.	2	1	1	
b) Agric. Stores	no.	8	-/8	2	
c) Co-op. Stores	no.	1	1	1	Relocation of Ambagahagama existing Co-op.
<u>6. Ratmalgahawewa (O.V.G.)</u>					
<u>Blocks 409, 410, 411 & 420</u>					
a) O & M Qrts.	no.	13	-/13	8	
b) Agric. Stores	no.	8	-/5	2	
c) Co-op. Stores	no.	1	-/1	1	New Co-op.
d) SPO	no.	1	-/1	1	New SPO.

Location, blocks served and type of building	Unit	Total estd. qty.	Cumulative Progress	Cumulative Programme	Remarks
7. <u>Helebewa (O.V.C.)</u>					
<u>Blocks 411 & 419</u>					
a) O & M Qrts.	no.	11	-/11	2	
b) Agric. Stores	no.	8	-/8	2	
c) Co-op. Stores	no.	1	-/1	1	New Co-op.
8. <u>Sinharagama (N.O.V.C.)</u>					
<u>Block 418</u>					
a) O & M Qrts.	no.	4	-/1	2	
b) Agric. Stores	no.	8	-/8	1	
c) Co-op. Stores	no.	1	-/1	1	Relocation of the existing Co-op.
9. <u>Andarawewa (N.O.V.C.)</u>					
<u>Block 419</u>					
a) O & M Qrts.	no.	1	-/1	1	
b) Agric. Stores	no.	8	-/8	2	
c) Co-op. Stores	no.	1	-/1	1	Relocation of the existing Co-op.
d) SPO	no.	1	-	1	New SPO.

Location, blocks served and type of building	Unit	Total estd. qty.	Cumulative Progress	Cumulative Programme	Remarks
<u>10. Lindawewa (N.O.V.C.) - Block 417</u>					
a) O & M Qrts.	no.	1	-/1	-	
b) Agric. Stores	no.	9	-/8	-	
c) Co-op. Stores	no.	1	-/1	-	New Co-op.
<u>11. Pahala Halmllewa (N.O.V.C.)</u>					
<u>Block 414</u>					
a) O & M Qrts.	no.	1	-/1	1	
b) Agric. Stores	no.	9	-/8	2	
c) Co-op. Stores	no.	1	-/1	1	Relocation of the existing Co-op.
d) SPO	no.	1	-	1	Relocation of existing SPO.
<u>12. Achchariyagama (N.O.V.C.)</u>					
<u>Block 413</u>					
a) O & M Qrts.	no.	1	-/1	-	
b) Agric. Stores	no.	8	-/8	-	
c) Co-op. Stores	no.	1	-/1	-	
<u>13. Palugama (O.V.C.) - Block 415</u>					
a) O & M Qrts.	no.	11	-/11	-	
b) Agric. Stores	no.	9	-/9	-	
c) Co-op. Stores	no.	1	-/1	-	
d) SPO	no.	1	-/1	-	

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1 25

Blocking out of homestead allotments

H₁ & H₂ Area - Complete

H₇ & H₉ Areas - Complete

H₄ Area - 2/28/28

Block No.	Total No. of Hamlets	Perimeter Surveys Cumulative progress up to the end of Sept.	Cumulative programme up to the end of Sept.	Preparation of lay outs Cumulative progress up to end of Sept.	Cumulative programme up to the end of Sept.	Homestead Landmarking Cumulative progress up to the end of Sept.	Cumulative programme up to end of Sept.
401	11	Complete	Complete	Complete	-	6/5	-
402	8	8	5/2	8	2/3	2/3	8
403	10	Complete	Complete	Complete	4/3	4/3	10
404	5*	Complete	Complete	Complete	3/-	3/-	5
405	14	Complete	11/3	13	4/1	4/1	11
406	6	Complete	Complete	Complete	3/1	3/1	6
407	7	Complete	Complete	Complete	2/3	2/3	7
408	5	2	2/2	-	-/1	-/1	-
409	9	-/9	-	-	-	-	-
410	6	4	3/1	-	-/3	-/3	-

*Revised

Blocking out of homestead allotments

H₅ Area

Block No.	Total No. of Hamlets	Perimeter Cumulative progress up to end of Sept.	Surveys: Cumulative programme up to end of Sept.	Preparation of layouts: Cumulative progress up to the end of Sept. of Sept.	Homestead Landmarking: Cumulative progress up to end of Sept.	Homestead Landmarking: Cumulative programme up to end of Sept.
411	7	Complete	-	Complete	2/3	-
412	8	7	3	3	2/1	8
413	6	6	6	6	-	6
414	5	5	5	--/5	-	5
415	5	-	5	-	-	5
417	5	4	5	2/1	--/1	-
418	5	-	Land Use and Settlement Plans yet to be prepared			
419	7	5	7	3	2/1	-
420	5	Complete	-	4/1	1/2	3
421	4	Complete	-	Complete	3/1	-

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(D) Hamlet Roads & Village Wells (Construction)

Description of work	Unit	Total estd. qty.	Cumulative Progress	Cumulative Programme
<u>H1 Area</u>				
a) Roads	mls.		Complete	
b) Wells (Galnewa Region)	nos.	86	46	86
<u>H2 Area</u>				
a) Roads	mls.		Complete	
b) Wells (Meegalewa Region)	nos.	50	40	50
<u>H7 Area</u>				
a) <u>Hamlet Roads (formation)</u>				
Block 101	chs.	950	872	950
102	chs.	1,085	1,033	1,085
103	chs.	755	425/120	755
b) <u>Hamlet Roads (structures)</u>				
Block 101	nos.	54	28/4	54
102	nos.	26	20/1	26
103	nos.	29	-/01	29
Village Wells - Not commenced.				
<u>H9 Area</u>				
Hamlet roads and Village wells - Not commenced.				
<u>H4 Area</u>				
a) <u>Roads</u> - Blocks 402, 403 & 404	mls.	94	Nil	94
b) <u>Wells</u> - Blocks 402, 403 & 404	nos.	96	Nil	96
<u>H5 Area</u>				
a) <u>Roads</u> - Blocks 412, 413, 414, 415, 420 & 421	mls.	130	Nil	130
b) <u>Wells</u> - Blocks 412, 413, 414, 415, 420, & 421	nos.	130	Nil	130

SETTLEMENT

Area	Block No.	Total farm allotments	Settlement upto 79.06.30	Settlement upto 79.09.30	Settlement during the quarter	No. of farm allotments to be settled
H1	301, 302, 303, 304 & 308	2,040	2,040	2,040	Settlement complete	Settlement complete
H2	305, 306, 308, 309, 310, 311, 312, 313 & 314	3,698	3,698	3,698	Settlement complete	Settlement complete
H7	101	499	499	499	Settlement complete	Settlement complete
	102	459	459	459	"	"
	103	883	883	883	126	173
	104	1,001	571	677	106	224
	Total	2,812	2,213	2,345	132	497
H9	201	593	466	466	-	127
	202	533	440	450	10	83
	203	463	176	182	06	281
	204	557	469	471	02	86
	205	182	125	129	04	53
	Total	2,328	1,676	1,698	22	630

Area	Block No.	Total farm allotments	Settlement upto 72.06.59	Settlement upto 75.05.59	Settlement during the year	No. of farm allotments to be settled
H4	401	1,200	65	1,042	977	158
	402	800	200	600	400	200
	403	900	-	304	304	596
	404	450	-	6	6	444
	407	<u>507</u>	-	<u>95</u>	<u>95</u>	<u>412</u>
	Total	3,857	265	2,047	1,782	1,810
H5	412	700	-	219	219	481
	415	395	-	95	95	300
	421	<u>348</u>	-	<u>109</u>	<u>109</u>	<u>239</u>
	Total	1,443	-	423	423	1,020

LAND ACQUISITION AND COMPENSATION

Compensation was paid in respect of 9 villages in the H1 area, 3 villages in H2 area, 3 villages in H7 area and 3 villages in H9 area.

Inquiries under section 9 of the Acquisition Ordinance to ascertain title, are being held in respect of 9 villages in H7 area and 8 villages in H9 area. The main constraint in respect of speedy payment of compensation is the shortage of staff for holding inquiries.

So far, possession has been taken over in respect of 83 villages in H4 and H5 areas. In respect of a further 37 villages Acquisition Orders under the Land Acquisition Act have been gazetted.

Status of Block Completion

Summary of Progress in H4 & H5 Areas as on end of Sept. '79

Jungle Clearing	95%	complete
Right Bank Main Canal excavation	98%	"
Right Bank Main Canal	75%	"
Branch Canal excavation	90%	"
Branch Canal Structures	80%	"
Distributary channel excavation	85%	"
Distributary channel structures	90%	"
Fields Canals	45%	"
On-farm Developments	6%	"
Roads (formation)	50%	"
Buildings	20%	"

Order of completion of Irrigation infrastructure in blocks in H4 and H5 Areas

<u>Block</u>	<u>Percentages</u>
401	90
402, 403	85
412 & 421	80
407 & 415	70
405, 413 & 420	65
414	60
404 & 406	55
417	50
408, 411 & 419	40
418	35
409	30
410	25

(Details are given in table 1)

Table I

Status of item-wise achievement

Block No.	Jungle Clearing (%)	D.Chls.		F.Chls		Drainage Chls. (%)	Total for block (%)
		Exc. (%)	Str. (%)	Exc. (%)	Str. (%)		
401	33	10	20	7.5	16.4	1.5	90
402	33	10	20	7.6	16.5	-	85
403	33	10	20	7.2	13.5	-	85
404	33	9.9	15.4	-	-	-	60
405	33	9.5	18.9	2.0	5.4	-	70
406	26.1	8.1	16	4.8	3.0	-	60
407	33	10	20	6.3	9.1	-	80
408	24.3	8.1	13.0	4.5	-	-	50
409	29.4	5.0	2.2	0.5	-	-	35
410	20.2	4.8	1.4	-	-	-	25
411	27.1	7.3	15.8	-	-	-	50
412	33	10	20	7.9	11.6	0.6	85
413	33	10	19.8	3.2	4.2	-	70
414	30	10	19.2	3.5	1.4	-	65
415	33	9.9	19.6	7.0	9.8	0.8	80
417	33	8.0	15.8	-	-	-	55
418	33	4.1	0.9	-	-	-	40
419	33	5.4	12.4	-	0.4	-	50
420	31.3	10	20	3.0	3.4	-	70
421	33	8.7	20	7.9	14.7	1.2	85

Status of Settlement in H4/H5 Areas

Block No.	No. of Settlers			No. settled as on 79-10-20	No. of lots taken over by SPD up to end of September
	Local	Outside	Total		
401	1,200	-	1,200	1,070	1,078
402	685	215	900	605	874
403	375	675	1,050	680	790
404	40	450	490	92	96
405	1,100	250	1,350	-	9
406	300	250	550	-	-
407	500	100	600	160	128
408	350	100	450	-	-
409	200	725	925	-	-
410	300	175	475	-	-
411	200	450	650	-	-
412	250	500	750	261	652
413	150	475	625	-	-
414	375	250	625	-	295
415	125	375	500	95	440
417	550	150	700	-	82
418	525	-	525	-	-
419	200	350	550	-	-
420	230	150	380	-	-
421	360	-	360	240	348
	<u>8,015</u> =====	<u>5,640</u> =====	<u>13,655</u> =====	<u>3,212</u> =====	<u>4,792</u> =====

ON-FARM DEVELOPMENT PROGRAMME IN H4 & H5

The on-farm development programme is intended to assist the farmers in the preparation of their farm plots for cultivation. The farmers will manually construct their own conservation bunds, on-farm ditches and drains, and do the cross leveling between bunds. They will be paid for their work. In order to assist the farmers and improve water management and crop production, MDS will lay out and mark the location of the bunds and will provide initial tillage with machines, to the extent machine capacity can be applied. In most areas, clearing of re-growth of vegetation is necessary before on-farm activities can start. The clearing has been done partly by machine and partly manually, but in the future most of the clearing will be done manually.

An on-farm development unit has been established under the Resident Project Manager. It began functioning in about June 1979. Its activities must be co-ordinated closely with the settlement programme because of the necessary involvement of the farmers in the on-farm work. Settlement of farms started at a fairly rapid rate in August 1979 and is continuing.

The initial settlement of local farmers proceeded at a faster rate than the on-farm unit could lay out the bunds. At the end of September 1979, over 2000 farms had been settled, of which 900 farms had been cleared of regrowth and were ready for marking of bunds. Of these, 300 had been marked. The lag of 600 will probably increase in October.

Based on the programme for completing settlement of all of H4 and H5 before Maha 1980-81, it will be necessary for the on-farm development unit to lay out and mark bunds and provide initial tillage at the rate of about 1000 farm plots per month.

By October, 1979, the resources assigned to the on-farm unit included 16 Agricultural Officers, 19 Work Supervisors, 55 Tractor Operators, 95 casual labourers, 11 vehicles (4 temporarily out of action) and 70 tractors.

Up to the end of September, 1979, the on-farm work of laying out bunds and initial tillage had proceeded at a rate of about 150 to 200 farms per month. With the present staff and improved management initiated in October, the rate probably can be increased to 600 acres per month. The question of providing increased staff and transportation resources will be considered further when the capacity of the present staff has been more firmly established.

The status of work done by the On-Farm Development Unit up to October, 1979, is as follows:

Block No.	No. settled	No. of agreements signed	No. of lots bund marked	Acres machine developed
401	1,070	632	91	187.5
402	605	517	367	1,352.5
403	680	283	63	160.0
407	160	-	-	-
412	261	112	32	147.5
415	95	-	-	-
421	249	-	-	-

CONSTRUCTION QUALITY CONTROL UNIT

The Construction Quality Control Unit continued to function during the quarter ending 30 Sept. '79 with a staff of ten.

The principal activity of the Unit related to construction of roads. For the four month period of June through September, field compaction tests were carried out on road bases at the rate of one test at each work site per working day. A total of 129 tests were performed. Of these, 71 fell below standard. These were reported to the Construction staff and the contractors, and steps were taken to improve the work.

Earth density tests were taken on the bunds of two tanks. Out of 32 tests, 21 were above standard. When tests fell below standard, action was taken to improve the work.

A total of 25 concrete cubes were cast at structures along the main channel, of which 80% met design criteria, based on testing in the Irrigation Dept. Laboratory.

The Quality Control staff also reviewed building works and rubble masonry construction. When defects were found the contractors were required to improve their quality.

COMMUNITY DEVELOPMENT

Public Health Activities

(a) Malaria Monitoring Programme

Progress of Anti-Malaria activities is shown in the following table:

Region	No of Malaria Centres	No. of voluntary workers	No. of patients	No. of Camo-quine tablets issued	No. of Prima-quine tablets issued	No. of film shows shown	No. of lectures delivered
Galnewa	40	40	165	1155	16	02	04
Meegalewa	51	51	158	1106	1370	-	-
Madatugama	23	23	41	287	410	-	-
Galkiriya-gama	15	15	32	196	280	-	-
Total	129	129	396	2744	3710	02	04

(b) Family Planning Activities

Progress is shown in the following table:

Region	No. of people operated	No. of lectures delivered
Galnewa	08	01
Meegalewa	07	01
Madatugama	02	01
From surrounding areas	11	-
Total	28	03

(c) Child Health

About 500 children were immunized in 5 immunization campaigns in Galnewa region.

One immunization campaign each was held in Meegalewa and Galkiriyagama regions.

(d) Other Public Health Activities

During this quarter, about 200 ~~mothers~~ attended clinics (or given clinical treatment).

In addition, two film shows were organized in collaboration with the Health Department. Triposha was distributed to children in the Madatugama region.

(e) Blood Donation Campaign

A Blood Donation Campaign was organized in the Madatugama region with a film show and a lecture.

(f) Child-Care Centres (Day Care Centres)

Discussions have been held with the UNICEF on the necessity of establishing Day-Care Centres within the Project Area. In addition to this, a survey was conducted in 12 villages in Galnewa region and 8 villages in Madatugama region for the setting up of Day-Care Centres. One Day-Care Centre has already been set up in Galnewa Region.

Steps have been taken for converting the existing Montessori schools in the Galnewa region into Child Care Centres, and also to commence three more new Child Care Centres.

One pre-school was declared open in the Meegalewa region, and in the Galkiriyagama region, arrangements were made to train pre-school wardens.

(g) Lavatory Facilities

112 lavatory plates were distributed in Galnewa, Meegalewa, Madatugama and Galkiriyagama regions within the Quarter.

(h) Public Wells

A survey was conducted on the necessity of public wells in each region. 86 sites for public wells in the Galnawa region were located and out of this, work has commenced on 46. In the Meegalewa region, 40 public wells are under construction.

Marketing and Credit

Arrangements were made to undertake the purchase of paddy in 1979 Yala through MPOSS.

Progress on the purchase of subsidiary food crops is as follows:

<u>Purchasing Centre</u>	<u>Produce</u>	<u>Qty. purchased (lb.)</u>
Kalankuttiya	Soya beans	1444
	Green gram	14½
Galkiriyagama	Soya beans	623

Arrangements were made to sell vegetable seeds for Maha 79/80.

Cultivation Loans

Details of cultivation loans are given in the following table:

Region	Loans provided in premiums for Yala '79		Repayment of loans given for Maha 78/79	
	No. of farmers	Amount (Rs.)	No. of farmers	Amount (Rs.)
Galnawa	334	175,506.50	112	37,139.44
Meegalewa	74	53,102.70	20	37,964.35
Madabugama	136	383,671.50	53	43,805.66
Total	544	612,280.70	185	118,909.45

Other Credit Facilities

This includes credit facilities provided for the development of land allotments, purchase of tractors, construction of houses and as bicycle loans and consumer loans, etc.

Region	No. of farmers	Amount
Galnewa	75	604,730.00
Meegalewa	449	521,000.00
Total	524	1,125,730.00

Deposits

By the end of 3rd quarter 1979, deposits of farmers are given in the following table:

Region	No. of accounts	Amount
Galnewa	4960	5,145,905.97
Meegalewa	2299	301,613.68
Madatugama	3892	288,318.97
Total	11151	5,735,838.62

Sale of Tractors

The MDB has sold 15 nos. 4-wheeled (Ford 3600) tractors, 74 nos. 2-wheeled tractors (51 Day-Done) and 23 nos. (Kulora) during this quarter.

Community Development Work

Five new Women's Associations were formed in the Galnewa region and 39 nos. sessions were held.

Three Rural Development Societies were formed in the Madatugama region. In the Meegalewa region, thirteen such societies are functioning and sixteen in the Galnewa region.

Sports, Cultural and Religious Activities

Six sports clubs were formed in the Galnewa region and arrangements were made for the provision of sports goods with UNICEF aid.

Sports meets were organised in the regions.

Two nos. buddhist temples have been constructed in the hamlets in Madatugama and Meegalewa regions.

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Agricultural Extension Staff

The position of agricultural extension staff in H Area is as follows:
Staff requirements are as per World Bank Appraisal Report No.1487a-CE.

	Acreage	No. of Settlers	A.00	S.M.00	A.11	K.V.SS
1. Staff required for old area	35,000		3		14	30
2. Staff required for H Area excluding H4 & H5 Areas	22,000	8,800	3	3	9	35
3. Staff required in H4 & H5 for Maha 79/80	9,500	4,500	1	1	4	18
4. Staff required in H4 & H5 for Yala 80	23,400	8,500	3	3	9	34
5. Total staff required for Maha 79/80 (1) + (2) + (3)	66,500	13,300	7	4	27	83
6. Total staff required for Yala 80 (1) + (2) + (4)	80,400	17,300	9	6	32	99
7. Present Staff			3	4	25	90
8. Expected staff by early Nov.1979			11	4	42	120

It is very clear from the above table that the agricultural extension staff available by the end of Nov.1979 will be generally adequate even for Yala 1980. However, at the initial stages of the project, for the purpose of providing an intensive service to the farmers, it is preferable to have more agricultural extension staff than the above.

Arrangements have already been made to provide motor cycles and bicycles for the agricultural extension staff. It has been decided to purchase motor cycles by the MDB and to transfer them to the Dept. of Agriculture for distribution. Tenders for 89 motor cycles on IDA/Netherlands Credit have been closed on 79-09-26 and are being processed. Loan facilities are available in the Dept. of Agriculture for purchasing bicycles which are freely available in the local market.

Malaria Monitoring Programme

The indoor residual spraying of the insecticide Malathion and administration of anti-malarial drugs by the Anti-Malaria Campaign section of the Public Health Service, was extended to the Project Area, from August 1977 on an intensive basis. This has now been shown to be a very effective programme.

Methods followed in fighting endemic Malaria are, namely:

- 1) Spraying of Malathion
- 2) Distribution of pills (prima-quine and camo-quine).
- 3) Holding instruction classes

Instruction classes are held in order to make farmers understand the danger of this disease and methods of preventing it, while spraying of houses and other dwelling places is a preventive measure by which breeding of anophels mosquito which carried the germ is prevented. Prima-quine and camo-quine tablets are given to the farmer both as a prophylactic and a curative measure.

Operation

Anti-malaria activities in the H Area are operated from 13 base units. A total of 18,670 houses come under the purview of these units with a population of 67,000.

A total of 8 rounds of spraying have already been completed, and the 9th round started in early September.

Since the number of houses within the Project Area increases daily, spraying activities are also expanded. All houses, including temporary huts are sprayed.

When a positive case of widespread malarial attack is reported, the practice has been to carry out a group surge. In this context, details and data from MDB offices are frequently obtained.

Treatment

Constant relationship with the Project Officers in the area are maintained and prima-quine and camo-quine pills are distributed among the farmers in the area also through volunteers in each hamlet.

Presently only two voluntary treatment centres are in operation in H5 Area. They are :

- 1) Junior School at Hirigollegama
- 2) MDB Office at Kongollawa.

72 such centres are in operation in H1 & H2 Areas.

Preventive services are available at the MDB offices at Talawa, Ralapanawa, Kongollawa, Kiralogama, Pahala Talawa and Nochchiyagama.

Progress of spraying (August '77 to August '79)

No. of rounds sprayed	No. of houses sprayed	Quantity of Malathion used (lb.)		
		Total	Monthly	Daily
08 (3 monthly)	27,132	133,616	9,336	300 (approx.)

Progress of eighth round (July '79)

No. of villages	No. of houses	Population	Quantity of Malathion used (lbs.)		
			Total	Monthly	Daily
92	7,909	32,799	9,573	3,192	107

Base Units

The Anti-Malaria Base Units indicated (1) - (13) in the 'H' Area Map are the following:

- (1) Ranawa
- (2) Nemma
- (3) Pennuma
- (4) Elagamuwa
- (5) Moragaswewa
- (6) Galnewa
- (7) Bulnewa
- (8) Mejalawa
- (9) Maha-Iluppallama
- (10) Kattiyawa
- (11) Eppawala
- (12) Hurigaswewa
- (13) Tambuttegama

Research & Pilot Projects

(a) Trial Pipeline Irrigation System In Block 404

A trial pipeline irrigation system is planned to be installed in the lower 400 acres under Distribution Canal No.1 of block 404, and if found successful, to be later extended to the upper 600 acres. The system will consist of a re-regulating reservoir, level-top automated canals, a return flow pump and a pipeline distribution system.

Gravity-fed low pressure pipelines will be installed in lieu of the usual open-ditch field channels. Irrigation water will be delivered from the pipelines to the individual farms through small screw-type valves. In normal operation, the pipelines will be kept full at all times, with water coming automatically from the canals and the re-regulating reservoir. The farmer, therefore, will be able to obtain water on demand, at the frequency, rate of flow and duration of flow needed for the particular crop and soil type on his farm, rather than being restricted to a supply delivered on a rigid rotation schedule. For example, on a given pipeline, water could be delivered simultaneously in a small continuous flow on heavy soils, or intermittently for upland crops, or whatever the ~~needs~~ requires.

The purpose is to determine by trial whether a system permitting a limited-rate demand schedule for water deliveries offers an economically viable alternative for the open-channel system using the usual rotation schedule. The higher cost of the pipe system is expected to be offset by increased benefits in the form of increased crop production, more efficient water use and reduced operating cost.

As of October 1979, the design of the system was completed and construction could be started. A detailed construction schedule is being worked out.

1. Construction has commenced on a level-top ditch in block 404.
2. Pipe samples from two manufacturers have been obtained for testing.

3. All automatic gates and the farm turnout valves required for the pilot area in block 404 are in hand.
4. In order to give an initial demonstration of the operation of a pipe system as contemplated in the block 404 trial system, some short sections of pipelines are being installed in two small turnout areas in block 401. It is hoped they will be ready for demonstration before the end of November 1979.

(b) In their Preliminary Feasibility Report on System C, completed in 1978, Hunting Technical Services proposed a number of radical changes to current practice in irrigation system design and management.

Their recommendations were aimed at improving the very low efficiency of water management prevailing on most irrigation schemes in Sri Lanka. It was recognised from the outset that high water consumption is a manifestation of many contributory factors, and that the problem should therefore, be solved by considering all these factors together.

The Huntings 404 Experimental Unit was conceived as a testing ground for these ideas. Its location on System H was chosen because construction capacity was already available, water would become available in Maha 1979, and the farmers were due to be settled there during the same year. By the end of October 1979, construction in the 200 hectare block (commanded by the D-Channel D2/404) was nearing completion.

Settlement of 180 farmers, mostly from the Kotmale area, was almost complete. Cropping began in August with 5 hectares of irrigated sugarcane.

The main items under test are:

- Four different field irrigation systems including the conventional layout, a dual canal system, an interceptor channel system and sprinklers.
- A variety of settlement patterns including the conventional hamlets, small turnout hamlets and combined farm and house plots. Shelter belts, firewood plantations, grazing areas and community fish farming are also integrated into the land use pattern.
- A variety of farm holding patterns, including upland and lowland farms, and split holdings on upland and lowland.
- A number of different crops including wetland rice, upland rice, sugarcane, soya, groundnuts, cotton and maize.
- A Unit Management System, by which one Manager, in charge of the whole block, is responsible for all agricultural inputs, extension, credit, marketing, water management and maintenance from the D-channel downward.
- Several different levels of on-farm development.
- Fourteen canal lining methods.
- Construction methods including those for canal banks in fill and reinforced concrete structures.

These factors are monitored with regard to cost, durability, ease of management, acceptability to the farmers and consumption of water.

The results of this experiment are primarily intended for application in System C, but it may be possible to use this in H4/H5, particularly in regard to the management organization of the RPM.

Plant and Equipment Management

(Status as of Oct.1979-Area H)

PROCUREMENT AND DEPLOYMENT

The various items of machinery and equipment that have been or are expected to be furnished by donor agencies are listed in the attached tabulations as follows:

1. Summary of Status of Procurement of Types of Plant & Equipment (15 Oct.1979)
2. Purchase Progress Statement of Machinery and Equipment (15 Oct.1979) (Annex B)
3. Position of Inputs under the Credits.
4. Items requiring further discussions with donors.

MANAGEMENT ORGANIZATION

Action has been taken by the MDB to strengthen its management of the plant and equipment under its jurisdiction. A Plant Management Division has been established in the headquarters office under a Plant Engineer who reports to the General Manager. The Assistant Plant Engineer assumed his duties on 1st October, 1979 and the Plant Engineer will report for duty on 1st November, 1979. Area Mechanical Engineers have been established in the major field offices.

The Plant Engineer is responsible for:

- (a) technical specifications and evaluations associated with the purchase and disposal of equipment and spares,
- (b) receiving and checking equipment for conformance with specifications and warranties,
- (c) allocating equipment to various MDB offices,
- (d) maintaining records of equipment use,
- (e) providing liaison with DM & E for MDB, and
- (f) providing technical guidance to Area Mechanical Engineers.

The financial arrangements connected with procurement and disposal of equipment will continue to be handled by the supply and Finance Sections, with technical help from the Plant Management Division.

Each Area Mechanical Engineer reports administratively to the head of his field office, but is subject to the technical guidance of the Plant Engineer. The Area Mechanical Engineer will supervise the management of equipment in the area of his field office.

Six trainee mechanical engineers have been assigned to DM & E for training. In about two years they will be available to work for MDB.

EQUIPMENT MANAGEMENT

It is planned that the Department of Machinery and Equipment (DM & E) will operate and maintain certain MDB equipment on behalf of the MDB. A contract with DM & E has been prepared and it is awaiting signature by DM & E. Under the proposed contract, DM & E will establish a suitable organization on to operate and maintain the MDB equipment, with MDB paying a hire charge (excluding depreciation) for routine operation and maintenance and additional charges as necessary for repairs. The equipment identified to be handled in this manner includes 22 items of heavy equipment (motor graders, crawler tractors and a truck crane). A mobile lubrication and maintenance unit and a variety of workshop equipment also will be assigned to DM & E for use at the Tambuttegama and Ratmalana workshops. Various items of other equipment will be retained under the full control of the MDB, but heavy repairs will be made by DM & E at the Tambuttegama and other workshops.

MDB proposes that part of the construction equipment be made available on site to contractors engaged in Mahaweli Project work subject to the approval of the donor countries and the Director of External Affairs.

Tambuttegama Workshop

Construction of the machinery repair workshop at Tambuttegama is in progress with work on the building superstructure nearing completion. When the workshop is complete with workshop equipment and services, it will be managed by DM & E under the agreement discussed above.

STATUS OF PROCUREMENT OF TYPES OF PLANT AND EQUIPMENT UNDER THE CREDITS (15.10.79)

	Credit 701-CE				UK Grant 1978	IBRD Loan 653 CE	TOTAL
	CIDA	USAID	UK	IDA/N			
Received in Sri Lanka	18	5	13	7	6	10	59
Procurement or shipping in progress	8	11	3	3	1	7	33
Tender not called or new tender needed	3	-	-	4	-	-	7
Items cancelled	1	-	-	2*	-	-	3
TOTAL	30	16	16	16	7	17	102

* Orders were placed on 26th September, 1979 for 39 motor cycles under IDA/N agreement following a review of the earlier decision to cancel this item.

FINANCIAL STATEMENT

STATEMENT OF CAPITAL EXPENDITURE AS AT 31.10.79

(R.M)

Stage II & III	Actual Expenditure from 01.01.79 to 30.10.79.									Cumulative Expenditure								
	Kala- veva Meega- lewa	Kala- veva RPM	Eppa- wela	Nochchi- yagama	Mada- tugama	Huru- lu- wewa	Kan- ta- lai	Others	Total	Kala- veva Meega- lewa	Kala- veva RPM	Eppa- wela	Nochchi- yagama	Mada- tugama	Huru- lu- wewa	Kan- ta- lai	Others	Total
Land & Land Rights										.373								.373
Temporary Camps		.222	.528	.042	.028			.312	1.132	2.689	.222	.740	1.730	.201			.312	5.894
Permanent Buildings	2.493	1.299	4.224	2.138	4.501				14.655	15.445	4.051	10.289	3.056	8.494	.665		42.000	
Power Lines										.157					.651		.808	
Main Canal (LB & RB)	.176	.184	3.353	.838	.093			.432	5.076	20.21	.34	11.752	.838	21.043	.124	.432	81.936	
Dist. System	3.987	3.002	12.653	9.026	6.287			.080	35.035	6.055	3.002	20.617	33.598	17.185		.080	80.537	
Roads	3.962	3.774	10.005	5.617					24.081	10.239	4.652	12.454	5.938	.856			34.000	
Survey & Settlement	.031		1.125	.327	.215				1.698	3.789	.004	3.011	.327	1.851	.001		3.809	
Water Management & Agriculture			0.024		.138				.162	1.312	1.839	.173	.411			.074	3.809	
Community Development & Marketing										.437	1.660		.041	8.502			10.640	
Headworks Augmentation	.910							.910	13.644								13.644	
Dambulu Oya Reservoir					2.224				2.224			25.433					25.433	
Land Development	3.677		3.920	3.717	1.720			.671	13.705	44.013	.090	46.220	8.667	14.864			113.854	
Improvements to village tanks					.177			.177	.815					1.189			2.504	
Rehabilitation																		
Bldgs. for spec.pro- jects																10.747	10.747	
<u>Feasibility Study</u>																2.392	2.392	
i. Agriculture																		
ii. Soil survey																11.118	11.118	
<u>Pilot Projects</u>																.131	.131	
i. Sugar Corporation																1.389	1.389	
ii. Others																.947	.947	
Salaries,O/T,Travelling	4.028	5.666	7.430	4.583	4.460		1.081	.219	27.467	24.028	5.666	7.430	4.583	4.460	.081	.219	27.467	
Materials and Others	4.824	3.966	13.123	5.826	3.150			.786	31.675	4.824	3.966	13.123	5.826	3.150		.786	31.675	
Total Expenditure	24.088	18.113	56.385	32.114	23.716		1.081	2.500	157.997	128.033	52.686	125.809	64.563	99.178	9.943	1.081	38.627	509.920

Foreign

Total Expenditure

Local Liabilities

R.V.D.B.	12.270	
S.G.	.500	
D.I.	3.474	
S.D. & C.C.	1.654	
S.E.C.	.546	
C.D.E.	.945	
Others	3.114	22.503
Foreign Liabilities	24.301	24.301

88.780

246.777

46.804

Total expenditure
including liabilities 293.581

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SUMMARY OF EXPENDITURE
(L.M)

(01.01.79 - 31.10.79)

	Actual Expenditure Jan. - Oct. 1979			Cumulative Expenditure		
	Local	Foreign	Total	Local	Foreign	Total
<u>Stage II & III</u>						
Expenditure	157.997	88.780	246.777	509.920	233.094	743.014
Liabilities	<u>22.507</u>	<u>24.301</u>	<u>46.804</u>			
	180.500	113.081	293.581	509.920	233.094	743.014
All Head Office Expenditure	80.127	-	80.127	275.535	-	275.535
Total	260.627	113.081	373.708	785.455	233.094	1018.549
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STATEMENT OF EXPENDITURE FOR THE PERIOD 1 JAN. '79 - 31 OCT. '79

(L.M)

	Provision '79			Expenditure by Institutions							Total Expenditure	O/S Commitments	Total	Cumulative expenditure
	Local	Foreign	Total	M.D.B.		Survey	Irrigation	C.E.C.B.	R.V.D.B.	Others				
				Foreign	Local									
Victoria	67.000	58.000	125.000	58.000	-	2.177	1.807	8.036	3.006	.559	73.685	17.307	90.992	95.141
Kotmale	90.000	479.400	569.400	190.6		1.611	1.939	33.095		1.085	228.330	44.056	272.386	267.431
Raddeniigala	20.000	35.000	55.000	14.070		.201	.289	1.739		.746	17.045	3.483	20.528	15.745
Maduru Oya	64.000	T.V.	64.000		3.623	11.574	.170	15.054	13.591	7.363	50.915	18.000	68.915	80.738
Moragahakanda	15.000	T.V.	15.000			2.414	6.038	1.423			9.875	3.109	12.984	17.528
Rotalawela & Kandakadu	13.000	T.V.	13.000					.421			.421	3.821	4.242	4.397
Ulhitiya	93.000	T.V.	93.000		40.175		.270		63.126	3.000	103.571	16.642	120.213	136.846
System A	16.000	T.V.	16.000			.480	.382				.862	1.318	2.180	2.603
System B	55.000	T.V.	55.000			1.846	.526		3.697	1.620	7.689	4.508	12.197	11.678
System C	100.000	73.000	173.000	73.000		5.369	1.600		4.528	4.028	88.525	10.064	98.589	103.876
System D	2.000	T.V.	2.000											
Total	535.000	645.400	1180.400	335.670	43.789	25.672	13.121	59.808	87.947	14.897	580.918	122.308	703.226	735.983

ANNEXES

Annex APublic Relations With Farmers

The necessity and importance of maintaining a cohesive and effective system of public relations with settlers is noted in paragraph 12 of the Aide Memoire submitted by the Supervision Review Team in March 1979, as follows:

".....the new settlers should be informed of the Project Plan at an early stage and of the work activities they will be asked to carry out in order to feel more involved with the Project. It would appear that more consultation is needed with the farmers on a group basis. Farmer participation in planning on-farm development work should be encouraged."

1. Information to the Settler

To make it easier for the new settler in the Project Area to be familiar with the Project plan and thereby to feel more involved with it, MDE has given following basic information to the settler in a handout prepared and published by the Settlement Division. The information given includes the following:

- (a) The settlement scheme in the Project Area is different from those of earlier schemes such as Minneriya, Gal Oya, etc. in that the new hamlets and clusters of hamlets as well as the new townships are different in concept from the linear settlement along the canal in the earlier schemes.
- (b) The Government of Sri Lanka spends around Rs.10,000/- to develop one acre of new land.
- (c) A new settler will get 2½ acres of farmland plus ½ ac. of highland (homestead).
- (d) Various kinds of assistance are given to him in the following ways:
 - 1) Rs.300/- as hut allowance in order to build a temporary hut on the homestead.

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- ii) Rs.500/- per acre for levelling (land not levelled by machinery); Rs.300/- per acre (land levelled by machinery).
- iii) Rs.100/- equivalent of agricultural tools necessary to start farming at the initial stage.
- iv) Rs.200/- per acre for jungle clearing of any secondary growth.
- v) @ -/20 per foot for bunding up to a maximum of Rs.700/-.
- vi) Seeds (equivalent of Rs.290/-).
- vii) World Food Aid.

The settler is asked to acquaint himself with the following officers:

- i) CDO - in assistance, loans, etc.
- ii) Irrigation Engineer - in water management.
- iii) Agricultural Extension Officer - in agricultural matters.
- iv) ACDO, DA - in community development activities.
- v) LO - in land matters.

2. Relationship with the Farmer

For an effective system of management of the Project Area, maintenance of an effective relationship with farmers is of course necessary. This serves not only for good management, but also to increase productivity by upgrading the farmers' skill on the one hand and to give full benefits of development to all the farmers on the other.

One pre-requisite for this, is a system of proper inter-communication among the Project Officers in the various disciplines at the 'Range' level and an operational system of vertical as well as horizontal inter-communication. This is proposed to be obtained through training courses now being held at Bulnawa for the Project Officers.



To maintain relationships with each individual farmer in the area is rather impossible. This poses the necessity of having contact with them on a group basis. It is easier, convenient and thus will be more successful to function on a group basis. It is however, essential for this approach to be effective, that such farmer groups be "natural groups" where the members have a common and shared work interest. As such the turnout area - a ready-made grouping for this purpose - can be used where about 12 farmer families are settled on an average. Turnout group leaders have been elected by farmers themselves for the area settled except H9, and the Project Officers will extend their work activities through these farmer leaders.

Equitable distribution of water within the turnout area is one major activity expected of these farmer groups since the irrigation from the field canal is on a rotational basis. This will include agricultural extension (e.g. any necessary adjustments of crop patterns, introduction of new seeds, etc.), marketing and crediting (making arrangements for the sale of their produce on a group basis either to the state authorities or to the private sector, any arrangements of obtaining loans, etc.), overall community development (participation of farmers in cultural occasions, religious festivals, sports meets, farmers' competition for higher harvest and methodical farming, programmes of community health, etc.).

A programme for the setting up of these farmer organizations and for the training of both project staff and farmers has commenced with the assistance of Mr. Shoaib Khan of the UNICEF.

The present status of progress under this UNICEF-assisted programme is given in the following page.

Programme and Progress as on 30-09-79

Programme	Objective	Progress			
		No. of sessions held	No. of people attended	Total No.	Percentage of attendance
Training of MDB Officers	Project field staff duly trained will act as trainers of farmer leaders in water management, agricultural extension, community health, etc.	Foundational Courses - 2 Nos. Follow-up Courses - 3 Nos.	136	160	85
Contact Farmer Training	Organization and training of farmers on a turnout basis for economic development and fostering village programmes, etc.	68 (up to end of September)	Groups organised - 569. Farmer leaders selected by groups 1138	1138	70

Community Health Activities

Programme	Objective	Cumulative progress up to end of Sept. 1979
Water - sanitary wells	Provision of safe drinking water to minimise incidence of water-borne diseases	No. of sites for sanitary wells -93 Construction of wells started -40 Survey of sites for deep well drinking carried out -03
Environmental sanitation - 2000 Latrines	To obtain better health conditions which would result in more productivity and happier family life	Demand for squatting plates generated - 1138
Day Care Centres	To augment family income, approx. Rs.300/- per month as calculated by the community and to ensure better care of children of 5 years of age.	Pilot project formulated for 25 Day Care Centres. Community participation in establishment of Day Care Centres obtained- 15 Type plan and equipment list prepared 15

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Purchase Progress statement of Machinery & Equipment
as at 15-10-79.

ANNEX B - 1

Items of Equipment	Qty.	Bids Opened Date	Bids being processed closed	Orders placed (date)	Shipped on (Date)	Arrived in harbour (Qty/date)	Cleared from harbour (Qty/date)	At local Agents (Qty/date)	Taken into inventory	Sent to Projects (Qty/Date)	Handed over to DMBE (Qty/Date)	Present Location	Remarks
(a) EQUIPMENT TO BE FURNISHED BY CIDA													
1. Crane, truck mounted 10 ton.		16.2.78		01-3-78	06-12-78	15-1-79	24-01-79	24-01-79				DMBE	At Kochchi- yagana.
2. Fork Lift truck hydraulic 5 ton	1	30-12-77		07-03-78	28-6-78	4-8-78	23-10-78	23-10-78	Yes		Yes 06-4-79 Yes 27-11-78	DMBE	
3. Fork Lift truck spares					31-8-78								
4. Water Bowser, 1200 Imp. Gals.	3	01-2-78		5-4-78	7-12-78	15-1-79	01-02-79	01-02-79				H.I.	All sent to Kochchilluppallana
5. Fuel Bowser, 1000 Imp. Gals.	2	14-2-78		3-4-78	5-1-79	20-03-79	22-03-79	22-03-79					All sent to Kochchilluppallana
Truck, dump 5 cu.yd.	6	14-02-78		5-4-78	7-12-78	15-01-79	02-02-79						All sent to Kochchilluppallana
7. Truck chassis only 5 ton	24	14-2-78		3-4-78	Six on 07-12-78 Eighteen on 015-1-79	15-1-79	2-02-79	02-02-79		1-6-79			Sent to Koch- chilluppallana 01 No. at Brown & Co. 17 at Jangonalee Bajecirina for body building.
8. Workshop van	1	14-2-78	9-2-79	3-4-78	15-1-79	20-3-79	22-3-79					DMBE	
9. Spares for International trucks					5/6/79		21/3/79						At Polgolla.
10. Truck van/w cinema equipment	1	Tender called, order not placed yet.											
11. Bus, 30 passenger, diesel	1	Tender called, order not placed yet.											
12. Ambulance	2	Order not placed yet. Awaiting payment CIDA											
13. Truck, pick up, 3/4 ton	13	Tender called. Closing date 28-11-78.											
14. Field wagon, 4x4	9	Tender called. Closing date 23-11-78.											
15. Field car 4x4	59	15-01-79 Tender not proceeded with as left hand drive/2 cars were available.											
16. Field car welding 4x4	1	Tender not called.											
17. Outboard motor 4 h.p.	4				8-2-78	3-10-78							
18. Air compressor 350 cfm, 1/2 wheel diesel	5	30-12-77			10-6-78	16-10-78	12-12-78					Sent to H.I.	
19. Drill, pneumatic T.handle	20												At H.I.
20. Mixer concrete 10/7 cu.ft.	12	30-12-77		6-3-78	2-8-78	9-10-78	25/26 Oct.'78		Yes				At H.I.
21. Spares for 12 concrete mixers					13-6-79								At H.I.
22. Vibrator, concrete	24	30-12-77		6-3-78	27-8-78	Oct.'78			Yes.			24 sent to H.I.	

Items of Equipment	Qty.	Bids opened date	Bids being processed closed	Orders placed (date)	Shipped on (date)	Arrived in harbour (Qty/date)	Cleared from harbour (Qty/date)	At local Agents (Qty/date)	Taken into Inventory	Sent to Projects Qty/date	Handed over to (Qty/date)	Present location	Remarks.
Contd..													
23. Vibrator Concrete Spares						06-07-79	16-9-79						
24. Radio Transceivers 33B	15	30-12-77				12-06-78	June '78						At H.I.
25. Paddy Storage and processing Equipment													11 at Sites. 04 at Stores.
26. Chain Saws	50		Specification reviewed by	CIDA after meeting	F.M.B.	officials and awaiting	CIDA approval to call tenders.						
27. Chain Saws parts													
28. Low bed Trailer 45 Ton	1		Tenders not called yet.										
29. Fuel bousser, 2,350 Gln.	13	1-2-79	Not shipped yet.										At H.I.
30. Truck & Low bed Trailer	1	1-2-79	Not shipped yet.										
<u>USAID</u>													
1. Tractor, Crawler 300 h.p.	3	27-2-78		19-6-78	30-8-78	7th & 8th Nov. '78	22-12-78					DMSE	(7 at Hochchiyagama. (1 at Kalaveva. (2 at Kotsale. (1 at Cement Corp.
2. Tractor Crawler 200 h.p.	8												
3. Grader Motorized 125 H.p.	10	27-2-78		14-8-78	8-10-78		Feb '78				29-3-79		at H.I.
4. Vibrator Rollers 0.91	14	27-2-78			13-10-78								at H.I.
5. Workshop Equipment Gr. B		27-2-79		27-2-79									at H.I.
6. Monitoring Equipment-water		27-2-79		-do-									
7. Theodolites	6			-do-									
8. Levels	36			-do-									
9. Lubricating Unit		30-3-79		30-3-79	Not shipped yet.								
10. Current Meters				20-3-79									
11. Workshop Equipment Gr. E		23-3-79		23-3-79	Not shipped yet.								
12. Engine Testing Equipment		29-3-79		29-3-79	Not shipped yet.								
13. Workshop Equipment Gr. A		20-3-79		29-3-79	Not shipped yet.								
14. Workshop Equipment Gr. B		19-3-79		19-3-79	19-10-79								
15. Office Equipment		29-3-79		29-3-79	Not shipped yet.								
16. Ford Tractors 60-70 h.p	31	27-2-78		6-6-78	8-10-78	14-12-78							at Kalaveva.

MSB

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Items of Equipment	Qty.	Bids opened date	Bids being processed, closed	Orders placed (date)	Shipped on (date)	Arrived in harbour (qty./date)	Cleared from harbour (Qty./date)	At local Agents (Qty./date)	Taken into inventory	Sent to Projects (Qty./date)	Handed over to DICE (Qty./date)	Present Location	Remarks.
c) U.K. Grant													
1. Tractor, 4-wheel Drive, 60-70 h.p.	50					15-10-78							
1a. D.E. Tractor Parts													
2. Tractor, 4-wheel Drive 40-50 h.p.	311				02-6-78								50 at Galneva.
2a. Tractor spares						100 Shipped Not shipped yet.						At Eppawala.	
3. 11 Tine Tillers	25	18-9-78											100 at Galneva.
4. 3 Furrow Disc Ploughs	30	18-9-78			16-3-79								
5. Rear Mounted blades	10	18-9-78			28-2-79								
6. Offset Disc Harrows	10	18-9-78			16-1-79								At Galneva.
7. Rotovators	10	18-9-78			12-3-79								
8. Front Mounted Blades	10	18-9-78			26-4-79								At Eppawala.
9. Ditchers	10	18-9-78			25-7-79								Awaiting Insurance report.
10. Trailers, 5T	50	18-9-78			12-4-79								
11. 9 Tine Tillers	311	18-9-78				Not shipped yet. (100 on 11-01-79) (100 on 16-3-79)							Sent to Eppawala.
12. 2 Furrow Disc Ploughs	36	18-09-78											
12a. Disc Plough Spares													
13. Offset Disc Harrows	161	18-9-78			28-2-79	Cleared							100 with L.A. Sathiyawadi & Co.
14. Trailers, 5T	11	18-9-78			26-7-79	Cleared and sent to Eppawala							36 at Galneva.
15. Components for 300 Nos. trailers (3 1/2 T)						Shipped on 15th Sept. '79.							161 at Galneva.
16. Scrub Cutters	5	18-9-78											
d) IDA/Netherlands Credit - 70108.													
1. Motor Cycles	112	18-12-77	C.C.A.	Panel has decided not to purchase.									
2. Knapsack Sprayers	472			Order placed, but supplier increased the price subsequently.									
3. Scooters	9	15-12-77	C.C.A.	Panel has decided not to purchase									IDA approved price increase of 5%. Supplier did not accept & order lapsed.
4. Thrashers				IDA did not approve purchase of offer selected by CCA Panel.									IDA requested re-tendering after modifying the specifications.
5. Hullers	25												With Local Agents after Inc. Survey. 20 ready for collection. Balance 5 awaiting repairs.

H4 & H5 AREAS - PROGRESS CONTROL SCHEDULE

BLOCK No.	No. OF FARMS	IRRIGATION		INFRASTRUCTURE				LAND ACQUISITION			FIELD LAYOUT		HAMLETS		HAMLET ROADS CONSTRUCTED.	SOCIAL		INFRASTRUCTURE					SETTLEMENT		
		CLEARING (Ha)	MAIN CANAL (Km.)	BRANCH CANAL (Km.)	DIST. CANAL (Km.)	FIELD CANAL (Km.)	PREPARATION OF ADVANCE TRACINGS. (No. OF VILLAGES)	PUBLISHING SECT. 38(a) (No. OF VILLAGES)	TAKING OVER OF POSSESSION. (No. OF VILLAGES)	FIELD LAYOUT OF FARM BUNDS (Ha)	LAYOUT (Nos.)	LOTS ASSIGNED (Nos.)	SCHOOLS (NEW) (Nos)	HEALTH CENTRES IMPROVEMENTS (Nos)		O & M (Nos.) TWIN QUARTERS COUNTED SEPERATELY 17	POSTAL (Nos) 18	VILLAGE WELLS (Nos) 19	Co-Ops. (Nos.) 20	Agric. BUILDINGS (Nos.) 21	POLICE (Nos) 22	SELECTION (Nos) 23	SETTLEMENT. (Nos) 24	WATER DELIVERY (DATE) 25	
																									3
401	1225	1225 100%	22 99%	2 100%	33 100%	78 95%	21 21	21 17	21 10	1225 42	11 11	1225 NIL	20 NIL	NIL	NIL	52 46/7	2 -/1	62 NIL	2 -/2	17 6/11	1 -/1	1225 COMP	1225 1050	OCT.'79	
		COMP	OCT.'79	COMP	COMP.	NOV.79				JAN.80	COMP.	Not Essential			FEB.80	JULY'80	Not Essential	DEC.79	MAR.'80	DEC. '79	JUNE '79	Juns-Dec79			
402	900	1280 100%	25 99%	4 100%	17 100%	54 93%	14 14	14 13	14 03	900 246	8 5	900 NIL	15 NIL	NIL	NIL	NIL	45 NIL	NIL	NIL	NIL	900 COMP	900 600	OCT.'79		
		COMP	OCT.'79	COMP.	COMP.	NOV.79				DEC. '79	OCT.'79		FEB80		OCT.'80		FEB.80				OCT. '79	Juns-Dec.79			
403	1050	1170 100%	30 99%	3 98%	19 100%	62 77%	8 08	08 07	08 04	1050 25	10 10	1050 NIL	20 NIL	01 NIL	NIL	5 -/2	NIL	53 NIL	2 -/2	17 -/5	NIL	1050 624	1050 304	OCT.'79	
		COMP	OCT.'79	OCT.'79	COMP.	FEB.80				FEB.80	NOV.79		FEB.80	OCT.80		FEB.80		FEB.80	MAR.'80		OCT. '79	July-Dec.79			
404 EXPTL. BLOCK	550	655 100%	30 99%	4 98%	16 80%	33 NIL	03 02	03 02	03 01	550	5 5	550 NIL	10 NIL	01 NIL	NIL	13 -/13	1 -/1	27 NIL	1 -/1	9 -/8	NIL	550 116	550 92	MAR.'80	
		COMP	OCT.'79	OCT.'79	FEB.80	APR.80				SEPT.80	COMP		FEB.80	FEB.80		MAR.80	MAR.80	FEB.80	FEB.80	MAR.'80	OCT. '79	Jul-Apr.80			
405	1350	1735 100%	30 99%	7 98%	36 95%	80 30%	22 19	22 13	22 07	1350	14 11	1350 NIL	25 NIL	02 NIL	01 NIL	60 15/45	2 -/2	67 NIL	4 -/3	17 -/16	1 -/1	1350	1350 NIL	MAR.'80	
		COMP	OCT.'79	OCT.'79	FEB.80	APR.80				JULY '80	FEB.80	MAR.'80	MAR.80	OCT.'80	OCT.'80	MAR.80	MAR.80	FEB.80	MAR.80	SEPT.'80	OCT. '80	NOV.'79	Feb-Apr.80		
406	550	690 80%	30 99%	4 98%	16 80%	20 52%	07 07	07 07	07 05	550	6 6	550 NIL	10 NIL	NIL	NIL	4 NIL	NIL	28 NIL	1 NIL	8 NIL	NIL	550	550 NIL	MAR.'80	
		FEB.80	OCT.'79	OCT.'79	FEB.80	FEB.'80				JULY 80	FEB.'80	MAR.'80	MAR.80			FEB.'80		FEB.80	MAR.80	SEPT.'80		01-02-80	Feb-Apr.80		
407	600	750 100%	30 99%	3 98%	13 100%	39 62%	09 09	09 08	09 05	600	7 7	600 NIL	15 NIL	NIL	NIL	13 3/10	01 01	30 NIL	1 -/1	9 7/2	NIL	600 COMP	600 125	OCT.'79	
		NOV.79	OCT.'79	OCT.'79	COMP.	FEB.80				APR.80	COMP		FEB.80			FEB.80	FEB.80	FEB.80	FEB.80	MAR.80	NOV. '79	Aug-Dec.79			
408	450	610 79%	37 98%	NIL	17 32%	28 18%	06 05	06 04	06 04	450	5 2	450 NIL	10 NIL	NIL	NIL	4 -/1	1 -/1	22 NIL	1 -/1	8 -/3	NIL	450	450 NIL	MAR.'80	
										AUG.80	FEB.80	MAR.80	MAR.80			FEB.'80	FEB.'80	FEB.80	MAR.'80	SEPT.'80		01-02-80	Feb-June 80		

STATUS AS ON: 30-09-1979

(1) IRRIGATION INFRASTRUCTURE

TOTAL QUANTITY	% COMPLETED
SCHEDULED DATE OF COMPLETION	

(2) LAND ACQUISITION

TOTAL No. OF VILLAGES	No. OF VILLAGES COMPLETED
SCHEDULED DATE OF COMPLETION	

(3) BUND LAYOUT

TOTAL QUANTITY	% COMPLETE
SCHEDULED DATE OF COMPLETION	

(4) SOCIAL INFRASTRUCTURE

TOTAL	No. OF COMPLETE
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409	925	1140	89%	40	95%	6	75%	23	8%	57	2%	13	10	13	09	13	04	925	9	NIL	925	NIL	15	NIL	03	NIL	NIL	SEP '80	NIL	SEP '80	SEPT '80	SEPT '80	NIL	01-02-80	May-Sept 80	OCT '80									
		MAY '80		NOV '79		FEB '80		MAY '80		OCT '80								OCT '80		JULY '80		AUG '80		SEP '80		DEC '80		SEP '80		SEP '80		SEP '80		SEP '80		SEP '80									
410	475	590	61%	40	95%	6	75%	11	NIL	29	NIL	04	04	04	04	04	02	475	6	3	475	NIL	15	NIL	01	NIL	NIL	13	-/7	01	NIL	23	NIL	1	NIL	9	-/7	NIL	475	475	NIL	OCT '80			
		MAY '80		NOV '79		FEB '80		MAY '80		OCT '80								OCT '80		JULY '80		AUG '80		SEP '80		DEC '80		SEP '80		SEP '80		SEP '80		SEP '80		SEP '80		SEP '80		SEP '80		SEP '80			
411	650	970	82%	43	93%			20	76%	38	NIL	3	2	3	2	03	NIL	650	7	7	650	NIL	14	NIL	01	NIL	NIL	NIL	-/7		32	NIL	1	NIL	9	-/1	NIL	650	650	NIL	MAR '80				
		FEB '80		NOV '79		NIL		FEB '80		APR '80								SEPT '80		COMP		APR '80		MAR '80		NOV '80		FEB '80		NIL		MAR '80		MAR '80		SEPT '80		01-02-80	Feb-June 80						
412	750	1070	100%	45	90%	5	95%	18	100%	49	78%	6	6	6	4	6	2	750	5	8	4	750	NIL	15	NIL	01	NIL	NIL	17	1/10	1	NIL	37	NIL	2	1/1	17	2/15	NIL	750	310	750	219	OCT '79	
		COMP		NOV '79		NOV '79		COMP		APR '80								MAR '80		NOV '79		FEB '80		NOV '80		DEC '80		MAR '80		JULY '80		FEB '80		FEB '80		MAR '80		NOV '79		Sept '79-Dec '80					
413	625	1040	100%	45	90%	7	95%	16	99%	36	30%	6	5	6	4	6	3	625	6	6	625	NIL	10	NIL	01	NIL	NIL	13	2/10	1	-/1	31	NIL	2	-/2	17	3/14	NIL	625	130	625	NIL	OCT '79		
		COMP		NOV '79		NOV '79		OCT '79		APR '80								MAY '80		COMP		FEB '80		DEC '80		MAR '80		JULY '80		FEB '80		FEB '80		MAR '80		NOV '79		Dec '79-Mar '80							
414	625	880	91%	45	90%	7	95%	16	97%	33	32%	5	2	5	1	5	NIL	625	NIL	5	NIL	625	NIL	10	NIL	01	NIL	NIL	4	-/1	1		31	NIL	1	-/1	8	-/8	NIL	625	430	625	NIL	OCT '79	
		NOV '79		NOV '79		NOV '79		OCT '79		APR '80								MAY '80		FEB '80		FEB '80		DEC '80		MAR '80		JULY '80		FEB '80		FEB '80		MAR '80		NOV '79		Nov '79-Mar '80							
415	450	630		45	90%	5	95%	8	98%	27	68%	4	4	4	3	4	2	450	5	NIL	450	NIL	8	NIL		NIL	NIL	13	-/11	1	-/1	23	NIL	1	-/1	9	-/9	NIL	450	95	450	94	OCT '79		
		COMP		NOV '79		NOV '79		OCT '79		APR '80								FEB '80		FEB '80		FEB '80		FEB '80		NIL		NIL		MAY '80		FEB '80		FEB '80		MAR '80		NOV '79		Nov '79-Mar '80					
417	700	1030	100%	43	90%	5	85%	19	71%	44	NIL	11	11	11	8	11	3	700	5	2	700	NIL	10	NIL	04	NIL	01	NIL	30	3/27	1	NIL	35	NIL	3	-/1	17	-/16	1	NIL	700		700	NIL	MAR '80
		COMP		NOV '79		FEB '80		FEB '80		APR '80								AUG '80		FEB '80		APR '80		MAR '80		DEC '80		DEC '80		FEB '80		MAR '80		MAR '80		MAR '80		SEPT '80		01-02-80		Feb-Apr '80			
418	525	730		43	90%	5	85%	10	03%	30	NIL	8	7	8	5	8	3	525	5	NIL	525	NIL	9	NIL		NIL	NIL	4	-/1		NIL	36	NIL	1	-/1	8	-/8	NIL	525		525	NIL	OCT '80		
		COMP		NOV '79		FEB '80		MAY '80		OCT '80								OCT '80		JULY '80		AUG '80		SEPT '80		NIL		NIL		SEP '80		SEP '80		SEP '80		SEP '80		SEP '80		SEP '80		01-02-80		June-Aug '80	
419	550	1020		43	93%			15	59%	32	01%	6	4	6	2	6	3	550	7	3	550	NIL	14	NIL	01	NIL	NIL	12	-/12	01	NIL	27	NIL	2	-/2	19	-/19	NIL	550		550	NIL	MAR '80		
		COMP		NOV '79		NIL		FEB '80		APR '80								JULY '80		APR '80		APR '80		MAR '80		DEC '80		NIL		JULY '80		JULY '80		MAR '80		MAR '80		SEPT '80		01-02-80		Feb-Apr '80			
420	380	560	95%	40	95%			12	100%	25	26%	4	4	4	4	4	4	380	5	4	580	NIL	9	NIL		NIL	NIL	13	-/13	1	-/1	19	NIL	1	-/1	8	-/5	NIL	380		380	NIL	MAR '80		
		FEB '80		NOV '79		NIL		COMP		APR '80								APR '80		NOV '79		FEB '80		NIL		NIL		MAR '80		MAR '80		FEB '80		FEB '80		MAR '80		DEC '79		Jan-Apr '80					
421	360	530		37	95%			13	96%	21	91%	8	6	8	4	8	3	360	4	4	360	NIL	7	NIL		NIL	NIL	01	NIL	26	-/3	01	NIL	18	NIL	2	NIL	9	NIL	NIL	360	COMP	360	109	OCT '79
		COMP		NOV '79		NIL		OCT '79		NOV '79								APR '80		COMP		Not Essential		Not Essential		NIL		DEC '80		FEB '80		FEB '80		Not Essential		FEB '80		MAR '80		OCT '79		NOV '79		OCT '79	

SCHEDULED DATE OF COMPLETION	
(5) SETTLEMENT	
i) SELECTION	
TOTAL No. To Be SELECTED	No. SELECTED IN PROGRESS
DATE OF COMPLETION OF SELECTION	
ii) SETTLEMENT	
TOTAL No. OF SETTLERS	No. SETTLED
PERIOD OF SETTLEMENT	

2 of 2
PD/AAU-569

M.D.B.
P. & E. DIVISION

